

REMARKS/ARGUMENTS

Applicants would like to thank the Examiner for the careful consideration given the present application. The application has been carefully reviewed in light of the Office Action. Favorable reconsideration of the application is respectfully requested in view of the comments and amendments made herein.

Claims 1, 3, 8, and 11 were rejected under 35 U.S.C. 103(a) as being unpatentable over Yoshimura (JP 54-48348) in view of (JP 63-174296) and DeRemer (US 4,307,285). Traversal of this rejection is made for at least the following reasons. Neither Yoshimura, JP 63-174296, nor DeRemer teach or suggest a microwave heating apparatus having an L-shaped waveguide wherein a distance between the center of an opening area of an electricity feeding port and an antenna of a magnetron is $\lambda g/2$ multiplied by an integer, wherein λg is a wavelength of the microwave propagated at an inside of the L-shaped wave guide. Of the cited references, only Yoshimura discloses an L-shaped wave guide. There is nothing in Yoshimura that discloses determining a configuration of the microwave such that in the L-shaped waveguide, the distance between the center of the electricity feeding port and the antenna of the magnetron is half a wavelength of the propagated microwave times an integer. Neither JP 63-174296 nor DeRemer make up for these deficiencies of Yoshimura. Because neither Yoshimura, JP 63-174296, nor DeRemer, alone or in combination, teach or suggest each and every limitation set forth in claims 1, 3, 8, and 11, the combination of Yoshimura, JP 63-174296, and DeRemer cannot render such claims obvious. Withdrawal of this rejection is respectfully requested.

Claim 2 was rejected under 35 U.S.C. 103(a) as being unpatentable over Yoshimura (JP 54-48348) in view of JP 63-174296 and DeRemer and further in view of JP 62-100982. Claim 2 depends from claim 1, which is believed to be allowable over the combination of Yoshimura, JP 63-174296, and DeRemer, as discussed above. JP 62-100982 does not make up for the aforementioned deficiencies of Yoshimura, JP 63-174296, and DeRemer. Specifically, JP 62-100982 does not discuss the distance between a center of the electricity feeding port and the antenna of the magnetron. Accordingly, the combination of Yoshimura, JP 63-174296, DeRemer, and JP 62-100982 cannot render claim 2 obvious. Withdrawal of this rejection is respectfully requested.

Claim 9 was rejected under 35 U.S.C. 103(a) as being unpatentable over Yoshimura (JP 54-48348) in view of JP 63-174296 and DeRemer and further in view of Noda et al. (JP 05-74568). Claim 9 depends from claim 1, which is believed to be allowable over the combination of Yoshimura, JP 63-174296, and DeRemer, as discussed above. Noda does not make up for the aforementioned deficiencies of Yoshimura, JP 63-174296, and DeRemer. Specifically, Noda does not discuss the distance between a center of the electricity feeding port and the antenna of the magnetron. Accordingly, the combination of Yoshimura, JP 63-174296, DeRemer, and Noda cannot render claim 9 obvious. Withdrawal of this rejection is respectfully requested.

In light of the foregoing, it is respectfully submitted that the present application is in condition for allowance and notice to that effect is hereby requested. If it is determined that the application is not in a condition for allowance, the Examiner is invited to initiate a telephone interview with the undersigned attorney to expedite prosecution of the present application.

If there are any additional fees resulting from this communication, please charge same to our Deposit Account No. 16-0820, our Order No. 38340.

Respectfully submitted,
PEARNE & GORDON, LLP

By: /Una L. Lauricia/
Una L. Lauricia – Reg. No. 48,998

1801 East 9th Street
Suite 1200
Cleveland, Ohio 44114-3108
(216) 579-1700

Date: October 31, 2007